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INFORMATION DISCLOSURE				SCLOSURE	Filing Date	03/06/2000	
	STA	TEMENT B	Y	APPLICANT	First Named Inventor	Darryl J. Bornhop et al.	
					Art Unit	2877	
		(use as many she	ets a	is necessary)	Examiner Name		
	Sheet	1	of	2	Attorney Docket Number	TTU D-0213	_

	U.S. PATENT DOCUMENTS									
Examiner Initials*	Cite No. 1 Number-Kind Code 2 (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear						
111	US- 5,867,266	02/02/1999	Craighead							
m	US- 5.740,291	04/14/1998	De Lasa et al.							
P7(	US- 5,770,029	06/23/1998	Nelson et al.							
Mi	US- 5,815,258	09/29/1998	Nakanishi							
BL	US- 5,824,204	10/20/1998	Jerman							
M	US- 5,841,914	11/24/1998	Shieh et al.							
PX	US- 5,852,495	12/22/1998	Parce							
M	US- 5,846,708	12/08/1998	Hollis et al.							
Psi	US- 5,633,708	05/27/1997	Svendsen							
m	US- 5,663,790	09/02/1997	Ekstrom et al.							
PK	US-5,694,210	12/02/1997	Newell et al.							
PIL	US- 5,325,170	06/28/1994	Bornhop	356 /128						
(C)C	US- 5,215,883	06/01/1993	Chu							
PTL	US- 5,273,633	12/28/1993	Wang							
PIL	US- 5,108,179	04/28/1992	Myers							
COL	US- 5,125,740	06/30/1992	Sato et al.							
psi	US- 5,165,005	11/17/1992	Klainer et al.							
276	US- 5,173,747	12/22/1992	Boiarski et al.							
176	US-5,073,024	12/17/1991	Valette et al.							
psi	US- 4,908,112	03/13/1990	Pace							

FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code 3 - Number 4 - Kind Code 5 (1/k/10wn)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Te			
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				001 001100	Application Number	09/519.860	_
				SCLOSURE	Filing Date	03/06/2000	_
	STA	TEMENT B	Y	APPLICANT	First Named Inventor	Darryl J. Bornhop et al.	
					Art Unit	2877	
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	Sheet	2	of	2	Attorney Docket Number	TTU D-0213	_

		U.S. PAT	ENT DOCUMENTS	
Examiner Initials*	Cite No. 1 Number - Kind Code 2 (if known)		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
8:31	US-4,950,074	08/21/1990	Fabricius et al.	
PIL	US-5,305,071	04/19/1994	Wyatt	
151	US-5,377,008	12/27/1994	Ridgway	
	US-4.660,974	04/28/1987	Machler et al.	
PIC	US-5,636,017	06/03/1997	Bruno et al.	
PIL	US-5,120,131	06/09/1992	Lukosz	
	US-			

	FOREIGN PATENT DOCUMENTS										
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code 3 - Number 4 - Kind Code 5 (Fixnown)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6					
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Substitute fo	or form 1449B/PTO			Complete if Known		
INITO	DRATION F		CL OCUDE	Application Number	09/519.860	
INFORMATION DISCLOSURE				Filing Date	03/06/2000	
STAT	EMENT RY	΄ Δ	PPLICANT	First Named Inventor	Darryl J. Bornhop et al.	
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Sheet	1	of	1	Attorney Docket Number	TTU D-0213	

	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS										
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the flem (book, magazne, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where outlished	T <sup>2</sup>								
PJL		KELLY SWINNEY ET AL., ""Micro-interferometric Backscatter Detection Using a Laser Diode"," Analytica Chimica Acta, p. 265-280, (September 22, 1999).									
POL		KELLY SWINNEY ET AL., ""Ion Analysis Using Capillary Electrophoresis with Refractive Index Detection"," Microchemical Journal, p. 154-163, (September 22, 1999).									
PX		YOLANDA FINTSCHENKO ET AL., ""Silicon Microtechnology and Microtstrutures in Separation Science," Journal of Chromatography, Vol. A (No. 819), p. 3-12, (September 22, 1998).									
rjc		E.F. SCHIPPER ET AL., ""The Waveguide Mach-Zender Interferometer as Atrazine Sensor"," Analytical Chemistry 1998, p. 1192-1197, (March 15, 1998).									
FJC		YANZHUO DENG ET Al., ""On-column Refractive-index Detection Based on Retroreflected Beam for Capillary Electrophoresis"," Applied Optics, Vol. 37 ( No. 6), p. 998-1005, (February 20, 1998).									
PJC		NORBERT BURGGRAFT ET AL., ""Holographic Refractive Index Detector for Application in Microship-based Separation Systems"," Analyst, p. 1443-1447, (July 22, 1998).									
PSc		G.J. VELDHUIS ET AL., ""Highly-sensitive Passive Integrated Optical Spiral-Shaped Waveguide Refractometer"," Applied Physics Letters, Vol. 71 (No. 20), p. 2895-2897, (November 17, 1997).									
PIL		CHRISTOPHER K. KENMORE ET AL., "Refractive-index Detection by Interferometric Backscatter in Packed-capillary High-Performance Liquid Chromatography," Journal of Chromatography, Vol. A (No. 762), p. 219-225, (September 22, 1997).									
Psc.		DARRYL J. BORNHOP ET AL., ""Polarimetry in Capillary Dimensions"," Analytical Chemistry, Vol. 68 ( No. 10), p. 1677-1684, ( May 15, 1996).									
Fic		DARRYL J. BORNHOP ET AL, ""Microvolume Index of Refraction Determinations by Interferometric Backscatter"," Applied Optics, Vol. 34 ( No. 18), p. 3234-3239, ( June 20, 1995).									
ML		JOSEPH C. STCLAIRE, "Heat Index Flow Monitoring in Capillaries with Interferometric Backscatter Detection," Analytical Chemistry, Vol. 72 (No. 19), p. 4726-4730, (October 1, 2000).									

Examiner	0.1		Date	
Signature	MATRICK	IONNOLLY	Considered	11 04 2003

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